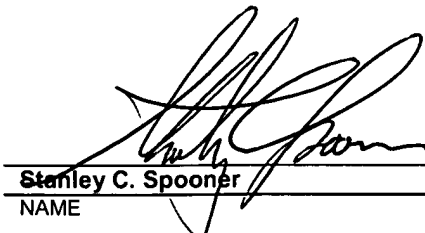


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|--|---|---|
| FORM PTO-1390<br>MODIFIED  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NUMBER<br><b>550-668</b>                                    |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. 371   |   | U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)<br><br><b>10/533,930</b> |
| INTERNATIONAL APPLICATION NO.<br><b>PCT/GB2003/004199</b>  | INTERNATIONAL FILING DATE<br><b>30 September 2003</b>   | PRIORITY DATE CLAIMED<br><b>13 November 2002</b>                            |
| TITLE OF INVENTION<br><br><b>FAULT DETECTION APPARATUS AND METHOD</b>  |   |   |
| APPLICANT(S) FOR DO/EO/US<br><br><b>SCOTT et al.</b>   |   |   |
| <p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li><input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li><input type="checkbox"/> The U.S. has been elected (Article 31).</li> <li>A copy of the International Application as filed (35 U.S.C. 371(c)(2).             <ol style="list-style-type: none"> <li><input type="checkbox"/> is attached hereto (      pages specification, claims &amp; abstract (      claims),      sheets drawings).</li> <li><input type="checkbox"/> has been communicated by the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(3)             <ol style="list-style-type: none"> <li><input type="checkbox"/> is attached hereto (      pages specification, claims &amp; abstract (      claims),      sheets drawings,      page Certificate of Translation).</li> <li><input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li><input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)             <ol style="list-style-type: none"> <li><input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> have been communicated by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has <b>NOT</b> expired.</li> <li><input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3).</li> <li><ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4).</li> <li><input type="checkbox"/> Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (      page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached).</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5).</li> </ol> <p><b>Items 11 To 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li><input type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</li> <li><input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</li> <li><ol style="list-style-type: none"> <li><input type="checkbox"/> A FIRST preliminary amendment.</li> <li><input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</li> </ol> </li> <li><input type="checkbox"/> An Application Data Sheet under 37 C.F.R. § 1.76.</li> <li><input type="checkbox"/> A substitute specification.</li> <li><input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li><input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</li> <li><input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li><input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li><input type="checkbox"/> Other items or information.</li> </ol> |   |   |

|  |              |   |   |                                  |                           |
|--|--------------|---|---|----------------------------------|---------------------------|
| U.S. APPLICATION NO. (If known, see 37 C.F.R. 10/533,930   |              | INTERNATIONAL APPLICATION NO. PCT/GB2003/004199                               |   | ATTORNEY'S DOCKET NUMBER 550-668 |                           |
| 21. <input checked="" type="checkbox"/> The following fees are submitted:  |              |   |   |                                  |                           |
| <b>BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):</b>  |              |   |   |                                  |                           |
| <input type="checkbox"/> a) Basic national fee .....   |              |   |   | \$300.00 (1631)/\$150.00 (2631)  | \$                        |
| <input type="checkbox"/> b) Examination Fee .....  |              |   |   | \$200.00 (1633)/\$100.00 (2633)  | \$                        |
| <input type="checkbox"/> c) Search Fee .....   |              |   |   | \$500.00 (1632)/\$250.00 (2632)  | \$                        |
| <b>TOTAL OF ABOVE CALCULATIONS .....</b>   |              |   |   | <b>\$1000.00/\$500.00</b>        | \$ 0.00                   |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |              |   |   |                                  |                           |
| Total Sheets   | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) |   | RATE                             |                           |
| 0 -100   | 0 /50 =      | 0.00  |   | \$0.00 (1681)<br>\$0.00 (2681)   |                           |
| Surcharge of \$130.00 (1617)/\$65.00 (2617) for furnishing the oath or declaration later than <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).   |              |   |   |                                  |                           |
| CLAIMS   | NUMBER FILED | # EXTRA   | RATE  |                                  |                           |
| Total Claims   | minus 20 =   | 0 X   | \$50.00 (1615)/   | \$25.00 (2615)                   | \$                        |
| Independent Claims   | minus 3 =    | 0 X   | \$200.00 (1614)   | \$100.00 (2614)                  | \$                        |
| MULTIPLE DEPENDENT CLAIMS(S) (if applicable)   |              |   | \$360.00 (1616)/\$180.00 (2616)   |                                  | \$ 0.00                   |
| Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253)/\$510.00 (2253); Four Month Extensions \$1590.00 (1254)/\$795.00 (2254)   |              |   |   |                                  | \$ 0.00                   |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.  |              |   |   |                                  |                           |
| Processing fee of \$130.00 (1618), for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)).  |              |   |   |                                  | 0.00                      |
| <b>TOTAL NATIONAL FEE =</b>  |              |   |   |                                  | <b>\$ 0.00</b>            |
| Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property   |              |   |   |                                  | \$ 40.00                  |
| Fee for Petition to Revive Unintentionally Abandoned Application; \$1500.00 (1453) / \$750.00 (2453)   |              |   |   |                                  | \$ 0.00                   |
| <b>TOTAL FEES ENCLOSED =</b>   |              |   |   |                                  | <b>\$ 40.00</b>           |
|  |              |   |   |                                  | Amount to be: refunded \$ |
|  |              |   |   |                                  | Charged \$                |
| a. <input checked="" type="checkbox"/> A check in the amount of \$40.00 to cover the above fees is enclosed.<br>b. <input type="checkbox"/> Please charge my Deposit Account No. 14-1140 in the amount of \$_____ to cover the above fees. A duplicate copy of this form is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed.<br>d. <input type="checkbox"/> <b>CREDIT CARD PAYMENT FORM ATTACHED.</b><br>e. <input type="checkbox"/> The entire content of International Application No. PCT/GB2003/004199 and any U.S. and foreign application(s) corresponding thereto, and _____, referred to in this application is/are hereby incorporated by reference in this application.<br><b>NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status.</b><br><b>CORRESPONDENCE ADDRESS</b><br>Direct all correspondence to:<br><input checked="" type="checkbox"/> <b>Customer Number:</b> <span style="border: 1px solid black; padding: 2px 10px;">23117</span><br>Type Customer Number here |              |   |   |                                  |                           |
| Telephone: (703) 816-4000<br>SCS:kmm   |              |   | <br><b>Stanley C. Spooner</b><br>NAME<br>27,393 July 26, 2005<br>REGISTRATION NUMBER Date |                                  |                           |